

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1A											

Sample Location Type Matrix/Level	Y3059 MW-26A-75 Field Sample Soil/Low		Y3059ME Field Sample Soil/Medium		Y3059MEMS Matrix_Spike Soil/Medium		Y3059MEMSD Matrix_Spike_Duplicate Soil/Medium	
Dilution Factor % Moisture Units	1	20 ug/Kg	1	20 ug/Kg	1	20 ug/Kg	1	20 ug/Kg
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Dichlorodifluoromethane	4.9	U	240	UJ	250	UJ	220	UJ
Chloromethane	4.9	U	240	UJ	250	UJ	220	UJ
Vinyl chloride	2.4	J	240	U	250	U	220	U
Bromomethane	4.9	U	240	UJ	250	UJ	220	UJ
Chloroethane	4.9	U	240	UJ	250	UJ	220	UJ
Trichlorofluoromethane	4.9	U	240	U	250	U	220	U
1,1-Dichloroethene	4.9	U	240	U	2100		1700	
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	240	U	250	U	220	U
Acetone	30		480	U	500	U	450	U
Carbon disulfide	4.9	U	240	UJ	250	UJ	220	UJ
Methyl acetate	4.9	U	240	U	250	U	220	U
Methylene chloride	4.9	U	130	J	250	U	220	U
trans-1,2-Dichloroethene	4.9	U	240	U	250	U	220	U
Methyl tert-butyl ether	4.9	U	240	U	250	U	220	U
1,1-Dichloroethane	4.9	U	240	U	250	U	220	U
cis-1,2-Dichloroethene	4.5	J	240	U	250	U	220	U
2-Butanone	12		480	U	500	U	450	U
Bromochloromethane	4.9	U	240	U	250	U	220	U
Chloroform	4.9	U	240	U	250	U	220	U
1,1,1-Trichloroethane	4.9	U	240	U	250	U	220	U
Cyclohexane	14		240	U	250	U	220	U
Carbon tetrachloride	4.9	U	240	U	250	U	220	U
Benzene	3.0	J	240	U	3100		2400	
1,2-Dichloroethane	4.9	U	240	U	250	U	220	U
1,4-Dioxane	98	R	4800	R	5000	R	4500	R

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1A											

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y3059MS		Y3059MSD		Y3062 TMP-7-45		Y3062ME		Y3063 TMP-7-45X	
	Matrix	Spike	Matrix	Spike Duplicate	Field	Sample	Field	Sample	Field	Sample
	Soil/Low	1 20 ug/Kg	Soil/Low	1 20 ug/Kg	Soil/Low	1 19 ug/Kg	Soil/Medium	1 19 ug/Kg	Soil/Low	1 21 ug/Kg
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Dichlorodifluoromethane	4.9	U	5.2	U	6.2	U	280	UJ	5.5	U
Chloromethane	4.9	U	5.2	U	6.2	U	280	UJ	5.5	U
Vinyl chloride	4.9	U	2.2	J	6.2	U	280	U	5.5	U
Bromomethane	4.9	U	5.2	U	6.2	U	280	UJ	5.5	U
Chloroethane	4.9	U	5.2	U	6.2	U	280	UJ	5.5	U
Trichlorofluoromethane	4.9	U	5.2	U	6.2	U	280	U	5.5	U
1,1-Dichloroethene	57		61		6.2	U	280	U	5.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	5.2	U	6.2	U	280	U	5.5	U
Acetone	17		25		13		560	U	15	
Carbon disulfide	4.9	U	5.2	U	6.2	U	280	UJ	5.5	U
Methyl acetate	4.9	U	5.2	U	6.2	U	280	U	5.5	U
Methylene chloride	4.9	U	5.2	U	6.2	U	280	U	5.5	U
trans-1,2-Dichloroethene	4.9	U	5.2	U	6.2	U	280	U	5.5	U
Methyl tert-butyl ether	4.9	U	5.2	U	6.2	U	280	U	5.5	U
1,1-Dichloroethane	4.9	U	5.2	U	6.2	U	280	U	5.5	U
cis-1,2-Dichloroethene	2.6	J	4.3	J	6.9		280	U	5.9	
2-Butanone	7.7	J	8.5	J	12	U	560	U	11	U
Bromochloromethane	4.9	U	5.2	U	6.2	U	280	U	5.5	U
Chloroform	4.9	U	5.2	U	6.2	U	280	U	5.5	U
1,1,1-Trichloroethane	4.9	U	5.2	U	6.2	U	280	U	5.5	U
Cyclohexane	7.0		10		6.2	J	280	U	4.8	J
Carbon tetrachloride	4.9	U	5.2	U	6.2	U	280	U	5.5	U
Benzene	56		61		6.2	U	280	U	5.5	U
1,2-Dichloroethane	4.9	U	5.2	U	6.2	U	280	U	5.5	U
1,4-Dioxane	98	R	100	R	120	R	5600	R	110	R

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1A											

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y3063ME		Y3064 TMP-7-50		Y3064ME		Y3065 TMP-7-55		Y3065ME	
	Field Sample Soil/Medium	1 21 ug/Kg	Field Sample Soil/Low	1 21 ug/Kg	Field Sample Soil/Medium	1 21 ug/Kg	Field Sample Soil/Low	1 18 ug/Kg	Field Sample Soil/Medium	1 18 ug/Kg
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Dichlorodifluoromethane	290	UJ	7.0	U	280	UJ	5.3	U	290	UJ
Chloromethane	290	UJ	7.0	U	280	UJ	5.3	U	290	UJ
Vinyl chloride	290	U	7.0	U	280	U	5.3	U	290	U
Bromomethane	290	UJ	7.0	U	280	UJ	5.3	U	290	UJ
Chloroethane	290	UJ	7.0	U	280	UJ	5.3	U	290	UJ
Trichlorofluoromethane	290	U	7.0	U	280	U	5.3	U	290	U
1,1-Dichloroethene	290	U	7.0	U	280	U	5.3	U	290	U
1,1,2-Trichloro-1,2,2-trifluoroethane	290	U	7.0	U	280	U	5.3	U	290	U
Acetone	580	U	18		570	U	11	U	580	U
Carbon disulfide	290	UJ	7.0	U	280	UJ	5.3	U	290	UJ
Methyl acetate	290	U	7.0	U	280	U	5.3	U	290	U
Methylene chloride	290	U	7.0	U	280	U	5.3	U	290	U
trans-1,2-Dichloroethene	290	U	7.0	U	280	U	5.3	U	290	U
Methyl tert-butyl ether	290	U	7.0	U	280	U	5.3	U	290	U
1,1-Dichloroethane	290	U	7.0	U	280	U	5.3	U	290	U
cis-1,2-Dichloroethene	290	U	7.9		280	U	9.1		290	U
2-Butanone	580	U	14	U	570	U	11	U	580	U
Bromochloromethane	290	U	7.0	U	280	U	5.3	U	290	U
Chloroform	290	U	7.0	U	280	U	5.3	U	290	U
1,1,1-Trichloroethane	290	U	7.0	U	280	U	5.3	U	290	U
Cyclohexane	290	U	9.0		280	U	4.5	J	290	U
Carbon tetrachloride	290	U	7.0	U	280	U	5.3	U	290	U
Benzene	290	U	7.0	U	280	U	2.2	J	290	U
1,2-Dichloroethane	290	U	7.0	U	280	U	5.3	U	290	U
1,4-Dioxane	5800	R	140	R	5700	R	110	R	5800	R

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1A											

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y3066 TMP-7-60 Field Sample Soil/Low 1 15 ug/Kg	Y3066ME Soil/Medium 1 15 ug/Kg	Y3067 TMP-7-65 Field Sample Soil/Low 1 20 ug/Kg	Y3067ME Soil/Medium 1 20 ug/Kg	Y3068 TMP-7-85 Field Sample Soil/Low 1 22 ug/Kg					
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Dichlorodifluoromethane	4.5	U	280	UJ	4.8	U	280	UJ	5.5	U
Chloromethane	4.5	U	280	UJ	4.8	U	280	UJ	5.5	U
Vinyl chloride	2.9	J	280	U	4.2	J	280	U	5.5	U
Bromomethane	4.5	U	280	UJ	4.8	U	280	UJ	5.5	U
Chloroethane	4.5	U	280	UJ	4.8	U	280	UJ	5.5	U
Trichlorofluoromethane	4.5	U	280	U	4.8	U	280	U	5.5	U
1,1-Dichloroethene	4.5	U	280	U	2.2	J	280	U	5.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	280	U	4.8	U	280	U	5.5	U
Acetone	11		570	U	13		570	U	11	U
Carbon disulfide	4.5	U	280	UJ	4.8	U	280	UJ	5.5	U
Methyl acetate	4.5	U	280	U	4.8	U	280	U	5.5	U
Methylene chloride	4.5	U	280	U	4.8	U	280	U	5.5	U
trans-1,2-Dichloroethene	4.5	U	280	U	4.8	U	280	U	5.5	U
Methyl tert-butyl ether	4.5	U	280	U	4.8	U	280	U	5.5	U
1,1-Dichloroethane	4.5	U	280	U	4.8	U	280	U	5.5	U
cis-1,2-Dichloroethene	11		280	U	15		280	U	3.4	J
2-Butanone	9.0	U	570	U	9.6	U	570	U	11	U
Bromochloromethane	4.5	U	280	U	4.8	U	280	U	5.5	U
Chloroform	4.5	U	280	U	4.8	U	280	U	5.5	U
1,1,1-Trichloroethane	4.5	U	280	U	4.8	U	280	U	5.5	U
Cyclohexane	8.5		280	U	13		280	U	5.5	U
Carbon tetrachloride	4.5	U	280	U	4.8	U	280	U	5.5	U
Benzene	4.5	U	280	U	4.8	U	280	U	5.5	U
1,2-Dichloroethane	4.5	U	280	U	4.8	U	280	U	5.5	U
1,4-Dioxane	90	R	5700	R	96	R	5700	R	110	R

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1A											

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y3068RE		Y30E3 TMP-24-35		Y30E3ME		Y30E4 TMP-24-50		Y30E5 TMP-24-55	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Dichlorodifluoromethane	5.3	U	5.3	U	280	UJ	6.3	U	5.8	U
Chloromethane	5.3	U	5.3	U	280	UJ	6.3	U	5.8	U
Vinyl chloride	5.3	U	40		280	U	6.3	U	3.1	J
Bromomethane	5.3	U	5.3	U	280	UJ	6.3	U	5.8	U
Chloroethane	5.3	U	5.3	U	280	UJ	6.3	U	5.8	U
Trichlorofluoromethane	5.3	U	5.3	U	280	U	6.3	U	5.8	U
1,1-Dichloroethene	5.3	U	2.8	J	280	U	6.3	U	5.8	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	U	280	U	6.3	U	5.8	U
Acetone	11	U	11	U	560	U	24		12	U
Carbon disulfide	5.3	U	5.3	U	280	UJ	6.3	U	5.8	U
Methyl acetate	5.3	U	5.3	U	280	U	6.3	U	5.8	U
Methylene chloride	5.3	U	5.3	U	280	U	6.3	U	5.8	U
trans-1,2-Dichloroethene	5.3	U	19		280	U	2.7	J	5.8	U
Methyl tert-butyl ether	5.3	U	5.3	U	280	U	6.3	U	5.8	U
1,1-Dichloroethane	5.3	U	5.3	U	280	U	6.3	U	5.8	U
cis-1,2-Dichloroethene	3.3	J	340		980		180		120	
2-Butanone	11	U	11	U	560	U	13	U	12	U
Bromochloromethane	5.3	U	5.3	U	280	U	6.3	U	5.8	U
Chloroform	5.3	U	5.3	U	280	U	6.3	U	5.8	U
1,1,1-Trichloroethane	5.3	U	5.3	U	280	U	6.3	U	5.8	U
Cyclohexane	5.3	U	7.5		280	U	3.6	J	3.4	J
Carbon tetrachloride	5.3	U	5.3	U	280	U	6.3	U	5.8	U
Benzene	5.3	U	5.3	U	280	U	2.8	J	5.8	U
1,2-Dichloroethane	5.3	U	5.3	U	280	U	6.3	U	5.8	U
1,4-Dioxane	110	R	110	R	5600	R	130	R	120	R

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1A											

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y30E5ME		Y30E6 TMP-24-60		Y30E6ME		VBLK1A		VBLK1J	
	Field Sample Soil/Medium	1 20 ug/Kg	Field Sample Soil/Low	1 19 ug/Kg	Field Sample Soil/Medium	1 19 ug/Kg	Method Blank Soil/Low	1 0 ug/Kg	Method Blank Soil/Low	1 0 ug/Kg
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Dichlorodifluoromethane	270	UJ	4.7	U	240	UJ	5.0	U	5.0	U
Chloromethane	270	UJ	4.7	U	240	UJ	5.0	U	5.0	U
Vinyl chloride	270	U	20		240	U	5.0	U	5.0	U
Bromomethane	270	UJ	4.7	U	240	UJ	5.0	U	5.0	U
Chloroethane	270	UJ	4.7	U	240	UJ	5.0	U	5.0	U
Trichlorofluoromethane	270	U	4.7	U	240	U	5.0	U	5.0	U
1,1-Dichloroethene	270	U	2.3	J	240	U	5.0	U	5.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	270	U	4.7	U	240	U	5.0	U	5.0	U
Acetone	550	U	9.5	U	480	U	10	U	10	U
Carbon disulfide	270	UJ	4.7	U	240	UJ	5.0	U	5.0	U
Methyl acetate	270	U	4.7	U	240	U	5.0	U	5.0	U
Methylene chloride	270	U	4.7	U	240	U	5.0	U	5.0	U
trans-1,2-Dichloroethene	270	U	3.4	J	240	U	5.0	U	5.0	U
Methyl tert-butyl ether	270	U	4.7	U	240	U	5.0	U	5.0	U
1,1-Dichloroethane	270	U	4.7	U	240	U	5.0	U	5.0	U
cis-1,2-Dichloroethene	190	J	160		230	J	5.0	U	5.0	U
2-Butanone	550	U	9.5	U	480	U	10	U	10	U
Bromochloromethane	270	U	4.7	U	240	U	5.0	U	5.0	U
Chloroform	270	U	4.7	U	240	U	5.0	U	5.0	U
1,1,1-Trichloroethane	270	U	4.7	U	240	U	5.0	U	5.0	U
Cyclohexane	270	U	31		240	U	5.0	U	5.0	U
Carbon tetrachloride	270	U	4.7	U	240	U	5.0	U	5.0	U
Benzene	270	U	4.7	U	240	U	5.0	U	5.0	U
1,2-Dichloroethane	270	U	4.7	U	240	U	5.0	U	5.0	U
1,4-Dioxane	5500	R	95	R	4800	R	100	R	100	R

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1A

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK1N		VBLK2A		VBLK2C		VHBLK1N	
	Method Blank Soil/Low		Method Blank Soil/Medium		Method Blank Soil/Medium		Storage Blank Soil/Low	
	1 0 ug/Kg	1 0 ug/Kg	1 0 ug/Kg	1 0 ug/Kg	1 0 ug/Kg	1 0 ug/Kg	1 0 ug/Kg	1 0 ug/Kg
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Dichlorodifluoromethane	5.0	U	250	U	250	U	5.0	U
Chloromethane	5.0	U	250	U	250	U	5.0	U
Vinyl chloride	5.0	U	250	U	250	U	5.0	U
Bromomethane	5.0	U	250	U	250	U	5.0	U
Chloroethane	5.0	U	250	U	250	U	5.0	U
Trichlorofluoromethane	5.0	U	250	U	250	U	5.0	U
1,1-Dichloroethene	5.0	U	250	U	250	U	5.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	250	U	250	U	5.0	U
Acetone	10	U	500	U	500	U	10	U
Carbon disulfide	5.0	U	250	U	250	U	5.0	U
Methyl acetate	5.0	U	250	U	250	U	5.0	U
Methylene chloride	5.0	U	250	U	250	U	5.0	U
trans-1,2-Dichloroethene	5.0	U	250	U	250	U	5.0	U
Methyl tert-butyl ether	5.0	U	250	U	250	U	5.0	U
1,1-Dichloroethane	5.0	U	250	U	250	U	5.0	U
cis-1,2-Dichloroethene	5.0	U	250	U	250	U	5.0	U
2-Butanone	10	U	500	U	500	U	10	U
Bromochloromethane	5.0	U	250	U	250	U	5.0	U
Chloroform	5.0	U	250	U	250	U	5.0	U
1,1,1-Trichloroethane	5.0	U	250	U	250	U	5.0	U
Cyclohexane	5.0	U	250	U	250	U	5.0	U
Carbon tetrachloride	5.0	U	250	U	250	U	5.0	U
Benzene	5.0	U	250	U	250	U	5.0	U
1,2-Dichloroethane	5.0	U	250	U	250	U	5.0	U
1,4-Dioxane	100	R	5000	R	5000	R	100	R

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1B											

Sample Location	Y3059	
	MW-26A-75	Field Sample
Type	Soil/Low	
Matrix/Level		
Dilution Factor		
% Moisture		
Units	ug/Kg	
Compound	NFG Result	NFG Flag
Trichloroethene	870	
Methylcyclohexane	4.9	U
1,2-Dichloropropane	4.9	U
Bromodichloromethane	4.9	U
cis-1,3-Dichloropropene	4.9	U
4-Methyl-2-pentanone	9.8	U
Toluene	2.0	J
trans-1,3-Dichloropropene	4.9	U
1,1,2-Trichloroethane	4.9	U
Tetrachloroethene	4.9	U
2-Hexanone	9.8	U
Dibromochloromethane	4.9	U
1,2-Dibromoethane	4.9	U
Chlorobenzene	4.9	U
Ethylbenzene	4.9	U
o-Xylene	4.9	U
m,p-Xylene	4.9	U
Styrene	4.9	U
Bromoform	4.9	U
Isopropylbenzene	4.9	U
1,1,2,2-Tetrachloroethane	4.9	U
1,3-Dichlorobenzene	4.9	U
1,4-Dichlorobenzene	4.9	U
1,2-Dichlorobenzene	4.9	U
1,2-Dibromo-3-chloropropane	4.9	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
<i>Final Flag Results</i>											
VOA Low Med 1B											

Sample Location	Y3059 MW-26A-75	
Type	Field Sample	
Matrix/Level	Soil/Low	
Dilution Factor	1	
% Moisture	20	
Units	ug/Kg	
Compound	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	4.9	U
1,2,3-Trichlorobenzene	4.9	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1B											

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y3059ME		Y3059MEMS		Y3059MEMSD		Y3059MS		Y3059MSD	
Compound	NFG Result	NFG Flag								
Trichloroethene	2400		4400		5100		590		860	
Methylcyclohexane	240	U	250	U	220	U	4.9	U	5.2	U
1,2-Dichloropropane	240	U	250	U	220	U	4.9	U	5.2	U
Bromodichloromethane	240	U	250	U	220	U	4.9	U	5.2	U
cis-1,3-Dichloropropene	240	U	250	U	220	U	4.9	U	5.2	U
4-Methyl-2-pentanone	480	U	500	U	450	U	9.8	U	10	U
Toluene	240	U	3100		2500		54		59	
trans-1,3-Dichloropropene	240	U	250	U	220	U	4.9	U	5.2	U
1,1,2-Trichloroethane	240	U	250	U	220	U	4.9	U	5.2	U
Tetrachloroethene	240	U	250	U	220	U	4.9	U	5.2	U
2-Hexanone	480	U	500	U	450	U	9.8	U	10	U
Dibromochloromethane	240	U	250	U	220	U	4.9	U	5.2	U
1,2-Dibromoethane	240	U	250	U	220	U	4.9	U	5.2	U
Chlorobenzene	240	U	3400		2700		49		55	
Ethylbenzene	240	U	250	U	220	U	4.9	U	5.2	U
o-Xylene	240	U	250	U	220	U	4.9	U	5.2	U
m,p-Xylene	240	U	250	U	220	U	4.9	U	5.2	U
Styrene	240	U	250	U	220	U	4.9	U	5.2	U
Bromoform	240	U	250	U	220	U	4.9	U	5.2	U
Isopropylbenzene	240	U	250	U	220	U	4.9	U	5.2	U
1,1,2,2-Tetrachloroethane	240	U	250	U	220	U	4.9	U	5.2	U
1,3-Dichlorobenzene	240	U	250	U	220	U	4.9	U	5.2	U
1,4-Dichlorobenzene	240	U	250	U	220	U	4.9	U	5.2	U
1,2-Dichlorobenzene	240	U	250	U	220	U	4.9	U	5.2	U
1,2-Dibromo-3-chloropropane	240	U	250	U	220	U	4.9	U	5.2	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location	Y3059ME		Y3059MEMS		Y3059MEMSD		Y3059MS		Y3059MSD	
Type	Field Sample	Matrix_Spike	Soil/Medium	Soil/Medium	Matrix_Spike_Duplicate	Soil/Medium	Matrix_Spike	Soil/Low	Matrix_Spike_Duplicate	Soil/Low
Matrix/Level	1	1			1		1		1	
Dilution Factor	20	20			20		20		20	
% Moisture Units	ug/Kg	ug/Kg			ug/Kg		ug/Kg		ug/Kg	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	240	U	250	U	220	U	4.9	U	5.2	U
1,2,3-Trichlorobenzene	240	U	250	U	220	U	4.9	U	5.2	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1B											

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y3062 TMP-7-45 Field Sample Soil/Low 1 19 ug/Kg		Y3062ME Field Sample Soil/Medium 1 19 ug/Kg		Y3063 TMP-7-45X Field Sample Soil/Low 1 21 ug/Kg		Y3063ME Field Sample Soil/Medium 1 21 ug/Kg		Y3064 TMP-7-50 Field Sample Soil/Low 1 21 ug/Kg	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Trichloroethene	530		820		460		1600		760	
Methylcyclohexane	6.2	U	280	U	5.5	U	290	U	7.0	U
1,2-Dichloropropane	6.2	U	280	U	5.5	U	290	U	7.0	U
Bromodichloromethane	6.2	U	280	U	5.5	U	290	U	7.0	U
cis-1,3-Dichloropropene	6.2	U	280	U	5.5	U	290	U	7.0	U
4-Methyl-2-pentanone	12	U	560	U	11	U	580	U	14	U
Toluene	6.2	U	280	U	5.5	U	290	U	7.0	U
trans-1,3-Dichloropropene	6.2	U	280	U	5.5	U	290	U	7.0	U
1,1,2-Trichloroethane	6.2	U	280	U	5.5	U	290	U	7.0	U
Tetrachloroethylene	6.2	U	280	U	5.5	U	290	U	7.0	U
2-Hexanone	12	U	560	U	11	U	580	U	14	U
Dibromochloromethane	6.2	U	280	U	5.5	U	290	U	7.0	U
1,2-Dibromoethane	6.2	U	280	U	5.5	U	290	U	7.0	U
Chlorobenzene	6.2	U	280	U	5.5	U	290	U	7.0	U
Ethylbenzene	6.2	U	280	U	5.5	U	290	U	7.0	U
o-Xylene	6.2	U	280	U	5.5	U	290	U	7.0	U
m,p-Xylene	6.2	U	280	U	5.5	U	290	U	7.0	U
Styrene	6.2	U	280	U	5.5	U	290	U	7.0	U
Bromoform	6.2	U	280	U	5.5	U	290	U	7.0	U
Isopropylbenzene	6.2	U	280	U	5.5	U	290	U	7.0	U
1,1,2,2-Tetrachloroethane	6.2	U	280	U	5.5	U	290	U	7.0	U
1,3-Dichlorobenzene	6.2	U	280	U	5.5	U	290	U	7.0	U
1,4-Dichlorobenzene	6.2	U	280	U	5.5	U	290	U	7.0	U
1,2-Dichlorobenzene	6.2	U	280	U	5.5	U	290	U	7.0	U
1,2-Dibromo-3-chloropropane	6.2	U	280	U	5.5	U	290	U	7.0	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location	Y3062 TMP-7-45	Y3062ME		Y3063 TMP-7-45X		Y3063ME		Y3064 TMP-7-50		
Type	Field Sample	Field Sample		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
Matrix/Level	Soil/Low	Soil/Medium		Soil/Low	Soil/Medium	Soil/Low	Soil/Medium	Soil/Low	Soil/Low	
Dilution Factor	1	19		19	21	1	21	1	21	
% Moisture	19	ug/Kg		ug/Kg	ug/Kg	1	21	1	21	
Units	ug/Kg									
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	6.2	U	280	U	5.5	U	290	U	7.0	U
1,2,3-Trichlorobenzene	6.2	U	280	U	5.5	U	290	U	7.0	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y3064ME		Y3065 TMP-7-55		Y3065ME		Y3066 TMP-7-60		Y3066ME	
	Field Sample Soil/Medium	1 21 ug/Kg	Field Sample Soil/Low	1 18 ug/Kg	Field Sample Soil/Medium	1 18 ug/Kg	Field Sample Soil/Low	1 15 ug/Kg	Field Sample Soil/Medium	1 15 ug/Kg
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Trichloroethene	500		630		1300		850		750	
Methylcyclohexane	280	U	5.3	U	290	U	4.5	U	280	U
1,2-Dichloropropane	280	U	5.3	U	290	U	4.5	U	280	U
Bromodichloromethane	280	U	5.3	U	290	U	4.5	U	280	U
cis-1,3-Dichloropropene	280	U	5.3	U	290	U	4.5	U	280	U
4-Methyl-2-pentanone	570	U	11	U	580	U	9.0	U	570	U
Toluene	280	U	5.3	U	290	U	4.5	U	280	U
trans-1,3-Dichloropropene	280	U	5.3	U	290	U	4.5	U	280	U
1,1,2-Trichloroethane	280	U	5.3	U	290	U	4.5	U	280	U
Tetrachloroethene	280	U	5.3	U	290	U	4.5	U	280	U
2-Hexanone	570	U	11	U	580	U	9.0	U	570	U
Dibromochloromethane	280	U	5.3	U	290	U	4.5	U	280	U
1,2-Dibromoethane	280	U	5.3	U	290	U	4.5	U	280	U
Chlorobenzene	280	U	5.3	U	290	U	4.5	U	280	U
Ethylbenzene	280	U	5.3	U	290	U	4.5	U	280	U
o-Xylene	280	U	5.3	U	290	U	4.5	U	280	U
m,p-Xylene	280	U	5.3	U	290	U	4.5	U	280	U
Styrene	280	U	5.3	U	290	U	4.5	U	280	U
Bromoform	280	U	5.3	U	290	U	4.5	U	280	U
Isopropylbenzene	280	U	5.3	U	290	U	4.5	U	280	U
1,1,2,2-Tetrachloroethane	280	U	5.3	U	290	U	4.5	U	280	U
1,3-Dichlorobenzene	280	U	5.3	U	290	U	4.5	U	280	U
1,4-Dichlorobenzene	280	U	5.3	U	290	U	4.5	U	280	U
1,2-Dichlorobenzene	280	U	5.3	U	290	U	4.5	U	280	U
1,2-Dibromo-3-chloropropane	280	U	5.3	U	290	U	4.5	U	280	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location	Y3064ME		Y3065 TMP-7-55		Y3065ME		Y3066 TMP-7-60		Y3066ME	
Type	Field Sample	Soil/Medium	Field Sample	Soil/Low	Field Sample	Soil/Medium	Field Sample	Soil/Low	Field Sample	Soil/Medium
Matrix/Level	1		1		1		1		1	
Dilution Factor	21		18		18		15		15	
% Moisture		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg
Units										
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	280	U	5.3	U	290	U	4.5	U	280	U
1,2,3-Trichlorobenzene	280	U	5.3	U	290	U	4.5	U	280	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1B											

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y3067 TMP-7-65 Field Sample Soil/Low 1 20 ug/Kg	Y3067ME Field Sample Soil/Medium 1 20 ug/Kg	Y3068 TMP-7-85 Field Sample Soil/Low 1 22 ug/Kg	Y3068RE Field Sample Soil/Low 1 22 ug/Kg	Y30E3 TMP-24-35 Field Sample Soil/Low 1 18 ug/Kg					
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Trichloroethene	1300		3300		130		110		860	
Methylcyclohexane	4.8	U	280	U	5.5	U	5.3	U	5.3	U
1,2-Dichloropropane	4.8	U	280	U	5.5	U	5.3	U	5.3	U
Bromodichloromethane	4.8	U	280	U	5.5	U	5.3	U	5.3	U
cis-1,3-Dichloropropene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
4-Methyl-2-pentanone	9.6	U	570	U	11	U	11	U	11	U
Toluene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
trans-1,3-Dichloropropene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
1,1,2-Trichloroethane	4.8	U	280	U	5.5	U	5.3	U	5.3	U
Tetrachloroethene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
2-Hexanone	9.6	U	570	U	11	U	11	U	11	U
Dibromochloromethane	4.8	U	280	U	5.5	U	5.3	U	5.3	U
1,2-Dibromoethane	4.8	U	280	U	5.5	U	5.3	U	5.3	U
Chlorobenzene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
Ethylbenzene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
o-Xylene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
m,p-Xylene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
Styrene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
Bromoform	4.8	U	280	U	5.5	U	5.3	U	5.3	U
Isopropylbenzene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
1,1,2,2-Tetrachloroethane	4.8	U	280	U	5.5	U	5.3	U	5.3	U
1,3-Dichlorobenzene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
1,4-Dichlorobenzene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
1,2-Dichlorobenzene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
1,2-Dibromo-3-chloropropane	4.8	U	280	U	5.5	U	5.3	U	5.3	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location	Y3067 TMP-7-65	Y3067ME		Y3068 TMP-7-85		Y3068RE		Y30E3 TMP-24-35		
Type	Field Sample	Field Sample		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
Matrix/Level	Soil/Low	Soil/Medium		Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low	
Dilution Factor	1	1		1	22	1	22	1	18	
% Moisture	20	20		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Units	ug/Kg	ug/Kg		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	4.8	U	280	U	5.5	U	5.3	U	5.3	U
1,2,3-Trichlorobenzene	4.8	U	280	U	5.5	U	5.3	U	5.3	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab	MITKEM (Mitkem Corporation)	SDG	Y3059	Case	35897	Contract	EPW05030	Region	9	DDTID	33112
Final Flag Results											
VOA Low Med 1B											

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y30E3ME		Y30E4 TMP-24-50		Y30E5 TMP-24-55		Y30E5ME		Y30E6 TMP-24-60	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Trichloroethene	3700		480		340		650		660	
Methylcyclohexane	280	U	6.3	U	5.8	U	270	U	4.7	U
1,2-Dichloropropane	280	U	6.3	U	5.8	U	270	U	4.7	U
Bromodichloromethane	280	U	6.3	U	5.8	U	270	U	4.7	U
cis-1,3-Dichloropropene	280	U	6.3	U	5.8	U	270	U	4.7	U
4-Methyl-2-pentanone	560	U	13	U	12	U	550	U	9.5	U
Toluene	280	U	6.3	U	5.8	U	270	U	4.7	U
trans-1,3-Dichloropropene	280	U	6.3	U	5.8	U	270	U	4.7	U
1,1,2-Trichloroethane	280	U	6.3	U	5.8	U	270	U	4.7	U
Tetrachloroethene	280	U	6.3	U	5.8	U	270	U	4.7	U
2-Hexanone	560	U	13	U	12	U	550	U	9.5	U
Dibromochloromethane	280	U	6.3	U	5.8	U	270	U	4.7	U
1,2-Dibromoethane	280	U	6.3	U	5.8	U	270	U	4.7	U
Chlorobenzene	280	U	6.3	U	5.8	U	270	U	4.7	U
Ethylbenzene	280	U	6.3	U	5.8	U	270	U	4.7	U
o-Xylene	280	U	6.3	U	5.8	U	270	U	4.7	U
m,p-Xylene	280	U	6.3	U	5.8	U	270	U	4.7	U
Styrene	280	U	6.3	U	5.8	U	270	U	4.7	U
Bromoform	280	U	6.3	U	5.8	U	270	U	4.7	U
Isopropylbenzene	280	U	6.3	U	5.8	U	270	U	4.7	U
1,1,2,2-Tetrachloroethane	280	U	6.3	U	5.8	U	270	U	4.7	U
1,3-Dichlorobenzene	280	U	6.3	U	5.8	U	270	U	4.7	U
1,4-Dichlorobenzene	280	U	6.3	U	5.8	U	270	U	4.7	U
1,2-Dichlorobenzene	280	U	6.3	U	5.8	U	270	U	4.7	U
1,2-Dibromo-3-chloropropane	280	U	6.3	U	5.8	U	270	U	4.7	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location	Y30E3ME		Y30E4 TMP-24-50		Y30E5 TMP-24-55		Y30E5ME		Y30E6 TMP-24-60	
Type	Field Sample	Soil/Medium	Field Sample	Soil/Low	Field Sample	Soil/Low	Field Sample	Soil/Medium	Field Sample	Soil/Low
Matrix/Level	1		1		1		1		1	
Dilution Factor	18		22		20		20		19	
% Moisture Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	280	U	6.3	U	5.8	U	270	U	4.7	U
1,2,3-Trichlorobenzene	280	U	6.3	U	5.8	U	270	U	4.7	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y30E6ME		VBLK1A		VBLK1J		VBLK1N		VBLK2A	
	Field Sample Soil/Medium	1 19 ug/Kg	Method Blank Soil/Low		Method Blank Soil/Low		Method Blank Soil/Low		Method Blank Soil/Medium	
			1	0	1	0	1	0	1	0
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Trichloroethene	1200		5.0	U	5.0	U	5.0	U	250	U
Methylcyclohexane	240	U	5.0	U	5.0	U	5.0	U	250	U
1,2-Dichloropropane	240	U	5.0	U	5.0	U	5.0	U	250	U
Bromodichloromethane	240	U	5.0	U	5.0	U	5.0	U	250	U
cis-1,3-Dichloropropene	240	U	5.0	U	5.0	U	5.0	U	250	U
4-Methyl-2-pentanone	480	U	10	U	10	U	10	U	500	U
Toluene	240	U	5.0	U	5.0	U	5.0	U	250	U
trans-1,3-Dichloropropene	240	U	5.0	U	5.0	U	5.0	U	250	U
1,1,2-Trichloroethane	240	U	5.0	U	5.0	U	5.0	U	250	U
Tetrachloroethene	240	U	5.0	U	5.0	U	5.0	U	250	U
2-Hexanone	480	U	10	U	10	U	10	U	500	U
Dibromochloromethane	240	U	5.0	U	5.0	U	5.0	U	250	U
1,2-Dibromoethane	240	U	5.0	U	5.0	U	5.0	U	250	U
Chlorobenzene	240	U	5.0	U	5.0	U	5.0	U	250	U
Ethylbenzene	240	U	5.0	U	5.0	U	5.0	U	250	U
o-Xylene	240	U	5.0	U	5.0	U	5.0	U	250	U
m,p-Xylene	240	U	5.0	U	5.0	U	5.0	U	250	U
Styrene	240	U	5.0	U	5.0	U	5.0	U	250	U
Bromoform	240	U	5.0	U	5.0	U	5.0	U	250	U
Isopropylbenzene	240	U	5.0	U	5.0	U	5.0	U	250	U
1,1,2,2-Tetrachloroethane	240	U	5.0	U	5.0	U	5.0	U	250	U
1,3-Dichlorobenzene	240	U	5.0	U	5.0	U	5.0	U	250	U
1,4-Dichlorobenzene	240	U	5.0	U	5.0	U	5.0	U	250	U
1,2-Dichlorobenzene	240	U	5.0	U	5.0	U	5.0	U	250	U
1,2-Dibromo-3-chloropropane	240	U	5.0	U	5.0	U	5.0	U	250	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y30E6ME		VBLK1A		VBLK1J		VBLK1N		VBLK2A	
	Field Sample Soil/Medium		Method Blank Soil/Low		Method Blank Soil/Low		Method Blank Soil/Low		Method Blank Soil/Medium	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	240	U	5.0	U	5.0	U	5.0	U	250	U
1,2,3-Trichlorobenzene	240	U	5.0	U	5.0	U	5.0	U	250	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK2C		VHBLK1N	
	Method Blank Soil/Medium	1	Storage Blank Soil/Low	1
		0		0
	ug/Kg	ug/Kg		
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag
Trichloroethene	250	U	5.0	U
Methylcyclohexane	250	U	5.0	U
1,2-Dichloropropane	250	U	5.0	U
Bromodichloromethane	250	U	5.0	U
cis-1,3-Dichloropropene	250	U	5.0	U
4-Methyl-2-pentanone	500	U	10	U
Toluene	250	U	5.0	U
trans-1,3-Dichloropropene	250	U	5.0	U
1,1,2-Trichloroethane	250	U	5.0	U
Tetrachloroethene	250	U	5.0	U
2-Hexanone	500	U	10	U
Dibromochloromethane	250	U	5.0	U
1,2-Dibromoethane	250	U	5.0	U
Chlorobenzene	250	U	5.0	U
Ethylbenzene	250	U	5.0	U
o-Xylene	250	U	5.0	U
m,p-Xylene	250	U	5.0	U
Styrene	250	U	5.0	U
Bromoform	250	U	5.0	U
Isopropylbenzene	250	U	5.0	U
1,1,2,2-Tetrachloroethane	250	U	5.0	U
1,3-Dichlorobenzene	250	U	5.0	U
1,4-Dichlorobenzene	250	U	5.0	U
1,2-Dichlorobenzene	250	U	5.0	U
1,2-Dibromo-3-chloropropane	250	U	5.0	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 1B

Sample Location	VBLK2C		VHBLK1N	
	Method	Blank	Storage	Blank
Type		Soil/Medium		Soil/Low
Matrix/Level		1		1
Dilution Factor		0		0
% Moisture		ug/Kg		ug/Kg
Units				
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	250	U	5.0	U
1,2,3-Trichlorobenzene	250	U	5.0	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 9Z

Sample Location	Y3059 MW-26A-75		Y3059ME		Y3059MEMS	
Type	Field Sample	Soil/Low	Field Sample	Soil/Medium	Matrix Spike	Soil/Medium
Matrix/Level	1	20	1	20	1	20
Dilution Factor		ug/Kg		ug/Kg		ug/Kg
% Moisture Units						
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Hexane	0.49	U	96	U	99	U
Isopropanol	24	U	960	U	990	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 9Z

Sample Location	Y3059MEMSD		Y3059MS		Y3059MSD		Y3062 TMP-7-45		Y3062ME	
Type	Matrix	Spike	Duplicate	Matrix	Spike	Duplicate	Field	Sample	Field	Sample
Matrix/Level	Soil/Medium		Soil/Low	Soil/Low		Soil/Low	Soil/Low		Soil/Medium	
Dilution Factor	1		1		1		1		1	
% Moisture	20		20		20		19		19	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Hexane	89	U	0.49	U	0.52	U	5.8		110	U
Isopropanol	890	U	24	U	26	U	31	U	1100	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 9Z

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y3063 TMP-7-45X Field Sample Soil/Low 1 21 ug/Kg	Y3063ME Soil/Medium Field Sample 1 21 ug/Kg	Y3064 TMP-7-50 Field Sample Soil/Low 1 21 ug/Kg	Y3064ME Soil/Medium Field Sample 1 21 ug/Kg	Y3065 TMP-7-55 Field Sample Soil/Low 1 18 ug/Kg					
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Hexane	3.5		120	U	4.2		110	U	3.8	
Isopropanol	27	U	1200	U	35	U	1100	U	27	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 9Z

Sample Location	Y3065ME		Y3066 TMP-7-60		Y3066ME		Y3067 TMP-7-65		Y3067ME	
	Field Sample	Soil/Medium	Field Sample	Soil/Low	Field Sample	Soil/Medium	Field Sample	Soil/Low	Field Sample	Soil/Medium
Dilution Factor	1	18	1	15	1	15	1	20	1	20
% Moisture Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Hexane	120	U	0.66		110	U	0.48	U	110	U
Isopropanol	1200	U	23	U	1100	U	24	U	1100	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 9Z

Sample Location	Y3068 TMP-7-85	Y3068RE		Y30E3 TMP-24-35		Y30E3ME		Y30E4 TMP-24-50		
Type	Field Sample	Field Sample		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
Matrix/Level	Soil/Low	Soil/Low		Soil/Low	Soil/Low	Soil/Medium	Soil/Medium	Soil/Low	Soil/Low	
Dilution Factor	1	1		18	18	1	1	22	22	
% Moisture	22	22		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Units	ug/Kg	ug/Kg		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Hexane	0.55	U	0.53	U	25		110	J	3.2	
Isopropanol	28	U	26	U	26	U	1100	U	31	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 9Z

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y30E5 TMP-24-55 Field Sample Soil/Low 1 20 ug/Kg	Y30E5ME Soil/Medium Field Sample 1 20 ug/Kg	Y30E6 TMP-24-60 Field Sample Soil/Low 1 19 ug/Kg	Y30E6ME Soil/Medium Field Sample 1 19 ug/Kg	VBLK1A Method Blank Soil/Low 1 0 ug/Kg					
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Hexane	4.1		110	U	15		96	U	0.50	U
Isopropanol	29	U	1100	U	24	U	960	U	25	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Low Med 9Z

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK1J		VBLK1N		VBLK2A		VBLK2C		VHBLK1N	
	Method_ Blank Soil/Low	Method_ Blank Soil/Low	Method_ Blank Soil/Medium	Method_ Blank Soil/Medium	Method_ Blank Soil/Medium	Storage_ Blank Soil/Low				
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Hexane	0.50	U	0.50	U	100	U	100	U	0.50	U
Isopropanol	25	U	25	U	1000	U	1000	U	25	U

National Functional Guidelines Report # 4

Lab MITKEM (Mitkem Corporation) SDG Y3059 Case 35897 Contract EPW05030 Region 9 DDTID 33112
Final Flag Results
VOA Trace 1A

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y30E7 Equipment Blank		VBLK2Q		VBLK2S		VHBLK2R	
	Field Sample	Water/Trace 1	Method Blank	Water/Trace 1	Method Blank	Water/Trace 1	Storage Blank	Water/Trace 1
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.40	J	0.50	U	0.50	U	0.50	U
Bromomethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.0	U	5.0	U	5.0	U	5.0	U
Carbon disulfide	0.50	U	0.50	U	0.50	U	0.50	U
Methyl acetate	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	0.65		0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
Methyl tert-butyl ether	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	0.50	U	0.50	U	0.50	U	0.50	U
Carbon tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dioxane	20	R	20	R	20	R	20	R

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation)

SDG Y3059

Case 35897

Contract EPW05030

Region 9

DDTID 33112

Final Flag Results

VOA Trace 1B

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y30E7 Equipment Blank Field Sample Water/Trace 1 ug/L	
Compound	NFG Result	NFG Flag
Trichloroethene	0.50	U
Methylcyclohexane	0.50	U
1,2-Dichloropropane	0.50	U
Bromodichloromethane	0.50	U
cis-1,3-Dichloropropene	0.50	U
4-Methyl-2-pentanone	5.0	U
Toluene	0.50	U
trans-1,3-Dichloropropene	0.50	U
1,1,2-Trichloroethane	0.50	U
Tetrachloroethene	0.50	U
2-Hexanone	5.0	U
Dibromochloromethane	0.50	U
1,2-Dibromoethane	0.50	U
Chlorobenzene	0.50	U
Ethylbenzene	0.50	U
o-Xylene	0.50	U
m,p-Xylene	0.50	U
Styrene	0.50	U
Bromoform	0.50	U
Isopropylbenzene	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U
1,3-Dichlorobenzene	0.50	U
1,4-Dichlorobenzene	0.50	U
1,2-Dichlorobenzene	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) SDG Y3059 Case 35897 Contract EPW05030 Region 9 DDTID 33112
Final Flag Results
VOA Trace 1B

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	Y30E7 Equipment Blank Field Sample Water/Trace 1 ug/L	
Compound	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	0.50	U
1,2,3-Trichlorobenzene	0.50	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Trace 1B

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK2Q		VBLK2S		VHBLK2R	
	Method Blank Water/Trace 1		Method Blank Water/Trace 1		Storage Blank Water/Trace 1	
	ug/L		ug/L		ug/L	
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
Trichloroethene	0.50	U	0.50	U	0.50	U
Methylcyclohexane	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U
Toluene	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U
Tetrachloroethene	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	0.50	U	0.50	U
o-Xylene	0.50	U	0.50	U	0.50	U
m,p-Xylene	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Trace 1B

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK2Q		VBLK2S		VHBLK2R	
	Method Blank Water/Trace 1	ug/L	Method Blank Water/Trace 1	ug/L	Storage Blank Water/Trace 1	ug/L
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag	NFG Result	NFG Flag
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Trace 9Z

Sample Location	Y30E7		VBLK2Q	
	Field Sample	Method Blank	Water/Trace	Water/Trace
Type	1	1		
Matrix/Level				
Dilution Factor				
% Moisture				
Units	ug/L	ug/L		
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag
Hexane	0.50	U	0.50	U
Isopropanol	25	U	25	U

National Functional Guidelines Report # 4

10:53 Wed, Dec 6, 2006

Lab MITKEM (Mitkem Corporation) **SDG** Y3059 **Case** 35897 **Contract** EPW05030 **Region** 9 **DDTID** 33112
Final Flag Results
VOA Trace 9Z

Sample Location Type Matrix/Level	VBLK2S		VHBLK2R	
	Method Blank Water/Trace	Storage Blank Water/Trace	ug/L	ug/L
Dilution Factor	1	1		
% Moisture Units				
Compound	NFG Result	NFG Flag	NFG Result	NFG Flag
Hexane	0.50	U	0.50	U
Isopropanol	25	U	25	U